Xcel Energy’s Commercial – Industrial Programs
Environmental Leadership
Responsible By Nature

- Robust Portfolio of DSM/Energy Efficiency Programs
- No. 1 wind power provider – 8th consecutive year AWEA.org
  - Windsource
  - One of the largest voluntary green-pricing program in USA
- No. 5 in solar capacity
  - One of largest photovoltaic systems and growing – 8.2 megawatts
  - Solar*Rewards – 7,146 solar systems, 75.9-DC megawatts
- Energy Star 2012 Award for Sustained Excellence
- 2012-2013 Dow Jones Sustainability Index for the sixth year
Energy Efficiency Programs
Energy Savings Goals - Colorado

2012:
- Business Electric Savings: 199 GWhs
- Gas Savings: 435,054 Dth (all programs)
- Electric: 330 GWhs all programs

2013:
- Business Electric Savings: 214 GWhs
- Gas Savings: 428,310 Dth (all programs)
- Electric: 356 GWhs (all programs)

Projecting to achieve the 2013 portfolio goals for Electric and Gas Savings final year end true-up in progress
How Xcel Energy Helps

- Provides incentives to customers to adopt energy-efficient technologies
- Rebates are an incentive to promote energy efficiency in the marketplace
- The long term energy savings over the life of the equipment is paramount
- Xcel Energy brand name and neutral third party endorsement

Results: long term energy savings and quicker project payback for customers
Business Programs Summary

1. Studies & Audit-Based Incentives
   - Preapproval required

2. Prescriptive Rebate Programs
   - Preapproval NOT required

3. CUSTOM Rebate Programs
   - Preapproval required
Studies/Audits

Xcel Energy funds a portion of a study – providing you with an understanding of how your facility or unique systems use energy and identifies rebate opportunities.

- **Preapproval required**
- Customer can take advantage of rebates from prescriptive or custom programs based on study recommendations.

**Programs include:**
- Commercial Real Estate
- Compressed Air
- Data Center Efficiency
- Energy Analysis
- Lighting Efficiency: Redesign
- Process Efficiency
- Recommissioning
- Refrigeration Recommissioning
- Standard Offer
Prescriptive Programs

Predetermined rebate amounts and related savings for various energy-saving technologies

- **Preapproval is NOT required**
- Offer a set rebate amount and are based on defined equipment and efficiency qualifications as listed on each programs application.
- Most prescriptive programs have a 60% rebate project cap.

Programs include:
- Computer Efficiency
- Business new Construction
  - Energy Efficient Buildings
- **Cooling Efficiency**
- **Heating Efficiency**
- **Lighting Efficiency**
  - New Construction
  - Retrofit
- **Small Business Lighting**
- Motors and Variable Frequency Drives
Custom (Non-prescriptive) Programs

For equipment and conservation efforts outside Prescriptive requirements or not covered by the Prescriptive Programs

- ***Preapproval required***

- Rebate amounts and energy savings vary by project

Programs include:

- Straight Custom Efficiency:
  - Windows
  - Insulation
  - Geothermal applications
  - Roofing
  - Window tinting

- Business New Construction
  - Energy Design Assistance

- Energy Management Systems
Federal Agency EE Activity

- Very strong participation by Federal Agencies
- Sample projects over the last three years:

  - DOD 42 Projects 4.8 Gwh Savings
  - GSA 35 Projects 3.0 Gwh Savings
  - DOC 21 Projects 6.4 Gwh Savings
  - DOE 5 Projects 4.6 Gwh Savings
  - USPS 5 Projects 3.6 Gwh Savings
Federal Agency EE Activity Cont.

- **DOD**
  - Lighting retrofits, chiller upgrade, boiler replacement, VFD retrofits, motor replacements
  - Large free cooling project under construction schedule completion in 2014

- **GSA**
  - Energy Design Assistance (EDA) for major remodel of courthouses, and office complex
  - Nine buildings currently pursuing Recommissioning studies at Denver Federal Center
Federal Agency EE Activity Cont.

**DOC**
- Major Recommissioning at NOAA
- Cooling and mechanical installation at new central utility plant - NIST campus
- Phase 2 of Self Direct program - major remodel Building 1

**DOE**
- Energy Design Assistance (EDA) for RSIF II, parking garage, security center
- Completion of ESIF Self Direct spring of 2014
Federal Agency Renewable Activity

- Xcel Energy has worked with the Federal Government to meet its renewable energy needs since 1998.
- In 2013, Federal Agencies purchased over 32 million kWhs of renewable energy through Windsource.
- Five of the top ten Colorado purchasers of Windsource are Federal Agencies.
- Windsource customers include Treasury, DOD, Health and Human Services, DOC.
Federal Agency Renewable Activity

- The Federal Government has enrolled several PV projects in the Solar Rewards program since 2003
- Participating agencies include DOD, DOE, GSA, Fish & Wildlife
Other Federal Relationships

- NREL has been instrumental in the development of Xcel Energy’s web based New Construction energy efficiency modeling program using NREL’s OpenStudio tools to maintain quality and reduce costs.

- NCAR, NREL and NOAA all contributed in the development of the Xcel Energy Wind Prediction system.
  - 38% reduction in forecast error for Xcel Energy
  - Estimated $36 million in savings for Xcel Energy rate payers due to system dispatch efficiency associated with improvements in wind forecasting since 2009.
  - Solar forecasting capability in development.